JAM 18 2002 VIII

#### CERTIFICATE OF MAILING BY "FIRST CLASS MAIL"

Assistant Commissioner for Patents, Washington, D.C. 20231, on December 18, 2001.

Aliza Foat

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#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:

Examiner: Not yet assigned

Chaitan KHOSLA, et al.

Group Art Unit: 1627

Serial No.:

09/852,416

Filing Date:

May 9, 2001

For:

MACROLIDE ANALOGS

#### SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner for Patents Washington, D.C. 20231

Dear Sir:

Enclosed are 22 sheet(s) of formal drawings in connection with the above-identified application.

Respectfully submitted,

Dated:

December 18, 2001

By:

Brenda Mallack, Ph.D.

Registration No. 45,193

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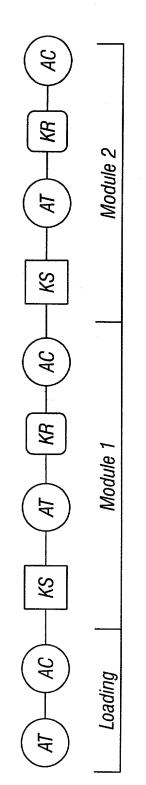
Inventors: Chaitan MFCCLA, et al. Application No.: 09/852,416
Docket No.: 300622000501

Inventors: January 3.3 SLA, et al. Application No.: 09/852,416
Docket No.: 300622000501

Post-PKS Biosynthesis of Erythromycins

Inventors: Cha. an KH Cha, et al. Application No.: 09/852,416
Docket No.: 300622000501

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DEBSI:

Generic Modular PKS

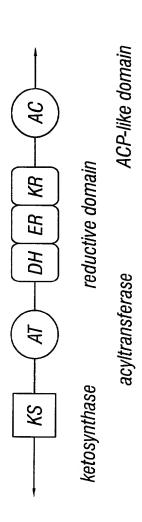


FIG. 2

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Inventors: Challed 27.00 et al. Application No.: 09/852,416 Docket No.: 300622000501

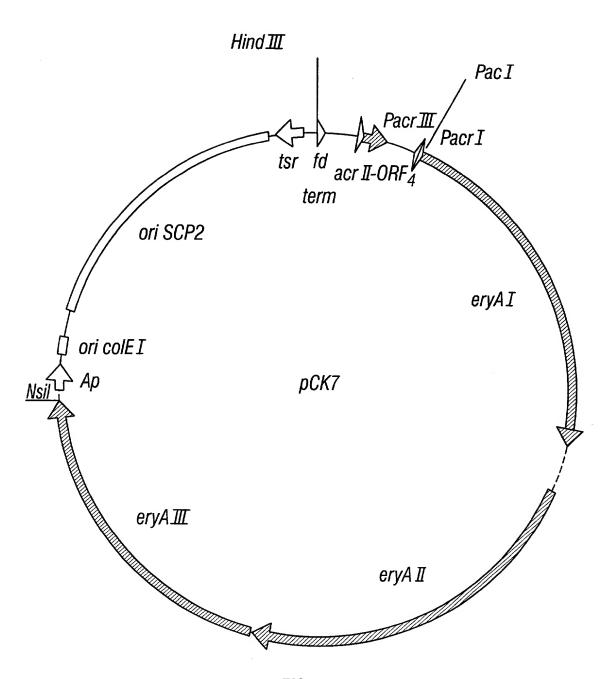


FIG. 3

Inventors: Chairman College, et al. Application No.: 09/852,416
Docket No.: 300622000501

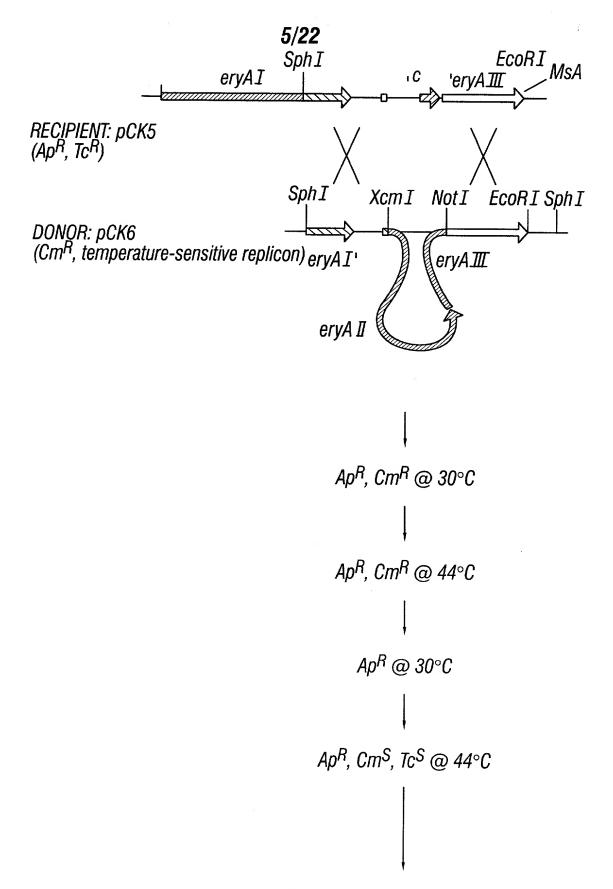
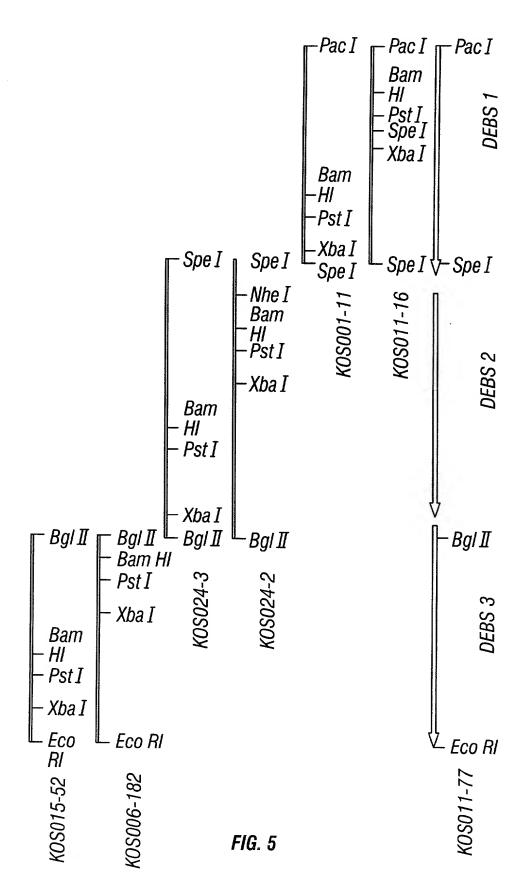


FIG. 4

Inventors: Chaita March, et al. Application No.: 09/852,416 Docket No.: 300622000501

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Inventors: Characteristic, et al.

Application No.: 09/852,416 Docket No.: 300622000501

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15

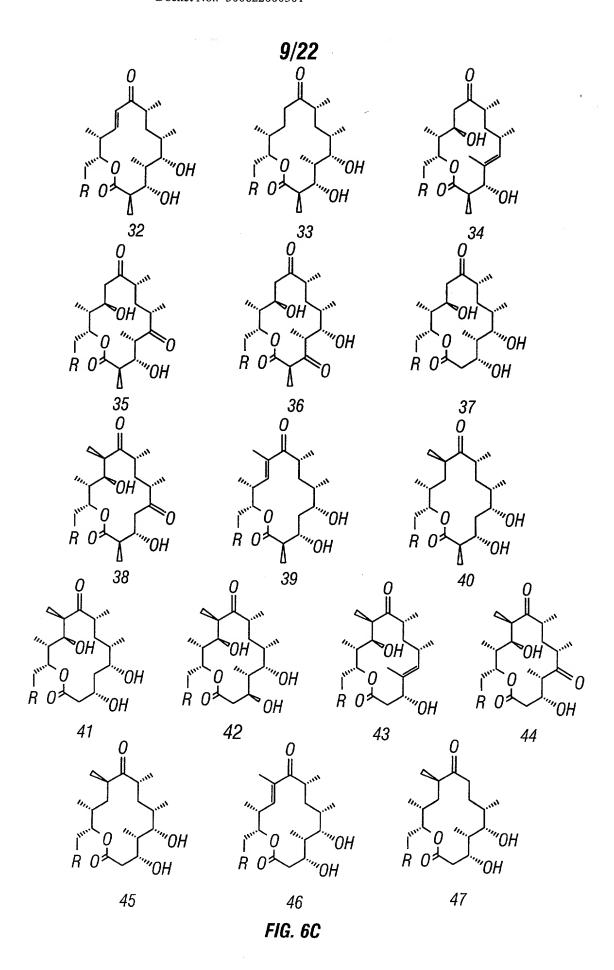
16

FIG. 6A

 Inventors: Chait PROSEA, et al. Application No.: 09/852,416
Docket No.: 300622000501

FIG. 6B

Inventors: Chamber 1997, et al. Application No.: 09/852,416 Docket No.: 300622000501



Inventors: Chairman and Star, et al. Application No.: 09/852,416 Docket No.: 300622000501

FIG. 6D

Inventors: Chairan 103 33ac, et al. Application No.: 09/852,416 Docket No.: 300622000501

FIG. 6E

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Inventors: Chr. 2002, et al. Application No.: 09/852,416 Docket No.: 300622000501

FIG. 6F

Inventors: Chatana 1998 et al. Application No.: 09/852,416 Docket No.: 300622000501

FIG. 6G

Inventors: Change and Sec., et al. Application No.: 09/852,416
Docket No.: 300622000501

Inventors: Chairman , et al. Application No.: 09/852,416 Docket No.: 300622000501

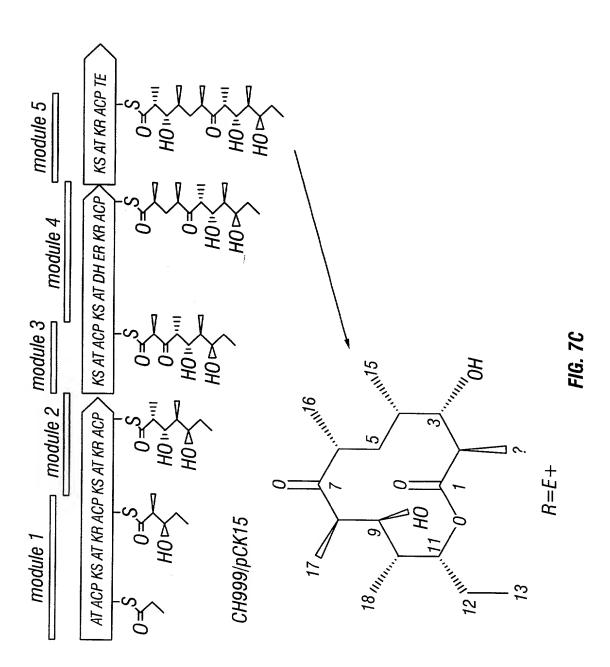
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(10 mg/L)R=MeΗÖ AT ACP KS AT KR ACP KS AT KR ACP FTF AT ACP KS AT KR ACP KS AT KR ACP

the half day in the half

module 2

module 1



Inventors: Charant Randella, et al. Application No.: 09/852,416

Docket No.: 300622000501

FIG. 8A

FIG. 8B

FIG. 9

Inventors: Chanan And SLA, et al. Application No.: 09/852,416 Docket No.: 300622000501

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Preparation of 1-(2-mercaptopyrimidinyl)-2-0-(methoxycarbonyl)-(D)-desosamine

1-(2-mercaptopyrimidinyl)-2-0-(methoxycarbonyl)-(D)-desosamine 000 гМе WW OCO2ME SICL4 MEZN 2-mercapto-pyrimidine осо<sub>2</sub>ме 1,2-di-O-(methoxycarbonyl)-(D)-desosamine WOOD CHECKS MEZA CICO<sub>2</sub>Me (D)-Desosamine HO

FIG. 10

Inventors: Chaican Kriosla, et al. Application No.: 09/852,416 Docket No.: 300622000501

*20/22* 

10-deoxymethynolide 210

*methynolide* 211

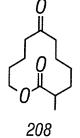
methymycin 212

-

neomethymycin 213

204

10-epi-methynolide 205



206

207

FIG. 11

209

Docket No.: 300622000501

#### 21/22

cromycin 307

ì.L ...

*5-deoxy-5-oxo-6dEB* 308

2-demethyl-2-hydroxy-5-deoxy-5-oxo-6dEB 309

3-dinydronarbonolide 310

10, 11-dihydropicromycin 311

FIG. 12A

Inventors: Chaman KAOSLA, et al. Application No.: 09/852,416 Docket No.: 300622000501

